

Lodger Conjoint Experiment

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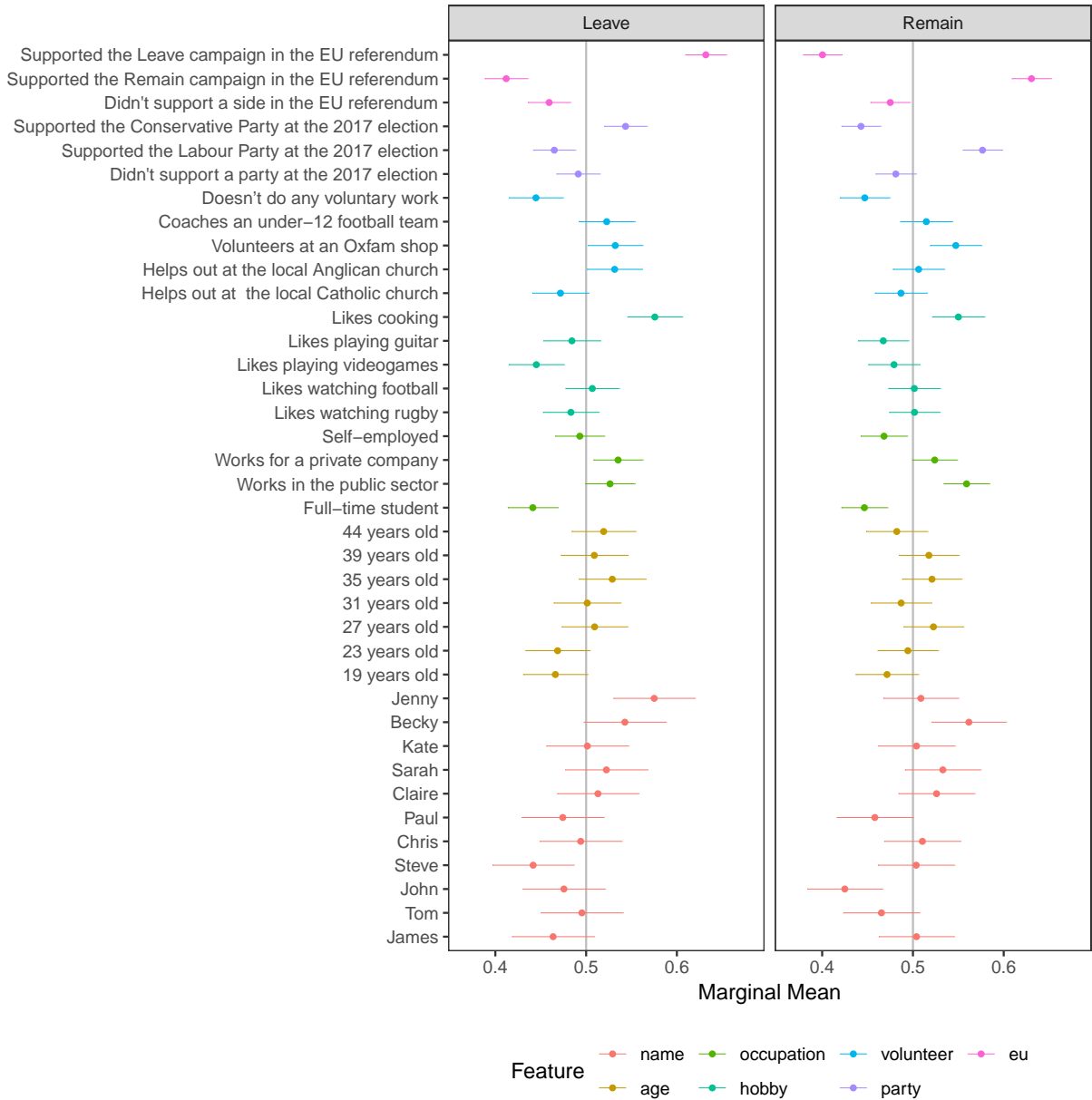
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Contents

Descriptive Statistics and Main Results	2
Descriptives	3
Main Results	5
Results Holding Conjoint Features Constant	10
Analytic Details	11

Descriptive Statistics and Main Results

This section provides some descriptive statistics from the study and reproduces the main results. The source code for this document fully reproduces the reported figures.

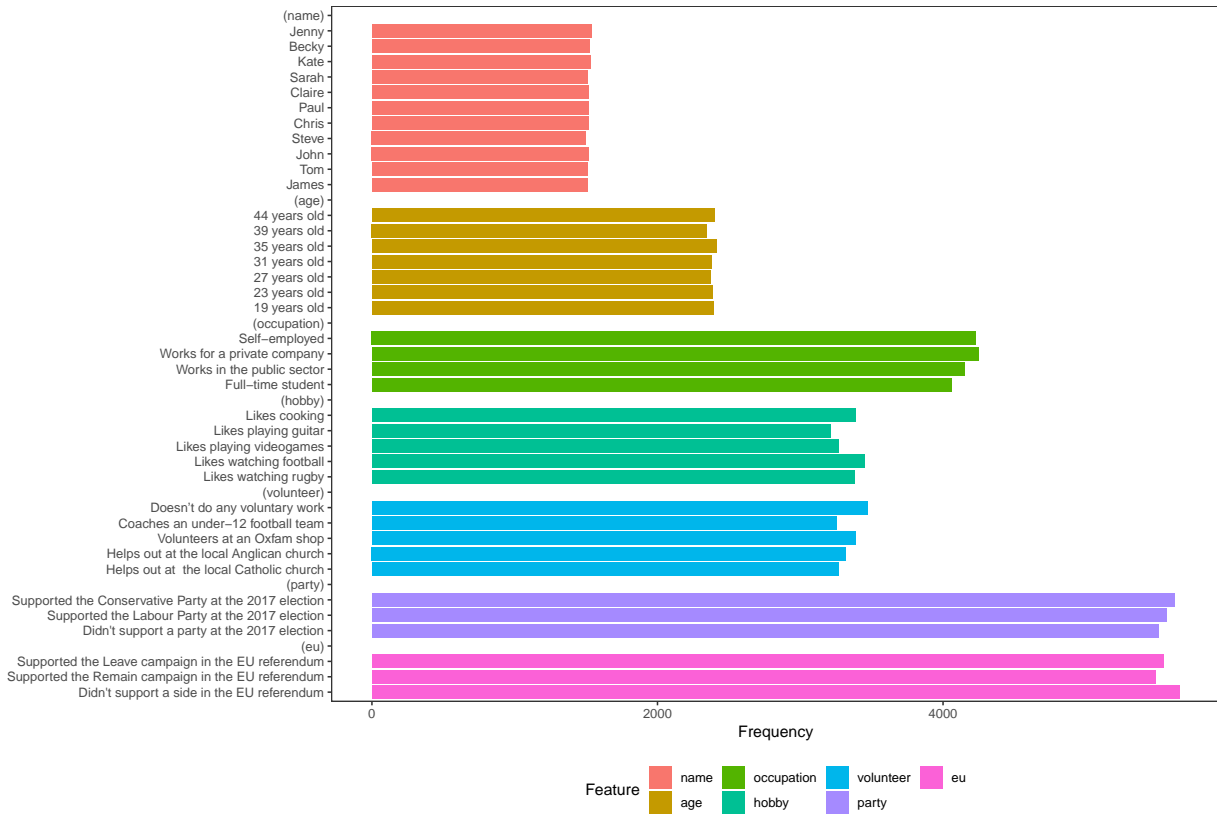


Descriptives

This subsection briefly summarizes the distributions of responses to the main outcome questions. The data here and in all subsequent analyses is a “stacked” dataset, wherein each alternative from each profile pair is a row, such that the dataset has 16690 rows. The levels of features were fully randomized from the following design:

feature	level
name	James
name	Tom
name	John
name	Steve
name	Chris
name	Paul
name	Claire
name	Sarah
name	Kate
name	Becky
name	Jenny
age	19 years old
age	23 years old
age	27 years old
age	31 years old
age	35 years old
age	39 years old
age	44 years old
occupation	Full-time student
occupation	Works in the public sector
occupation	Works for a private company
occupation	Self-employed
hobby	Likes watching rugby
hobby	Likes watching football
hobby	Likes playing videogames
hobby	Likes playing guitar
hobby	Likes cooking
volunteer	Helps out at the local Catholic church
volunteer	Helps out at the local Anglican church
volunteer	Volunteers at an Oxfam shop
volunteer	Coaches an under-12 football team
volunteer	Doesn't do any voluntary work
party	Didn't support a party at the 2017 election
party	Supported the Labour Party at the 2017 election
party	Supported the Conservative Party at the 2017 election
eu	Didn't support a side in the EU referendum
eu	Supported the Remain campaign in the EU referendum
eu	Supported the Leave campaign in the EU referendum

This plot displays numbers of appearances of each level indicates that within each feature this randomization was successful:

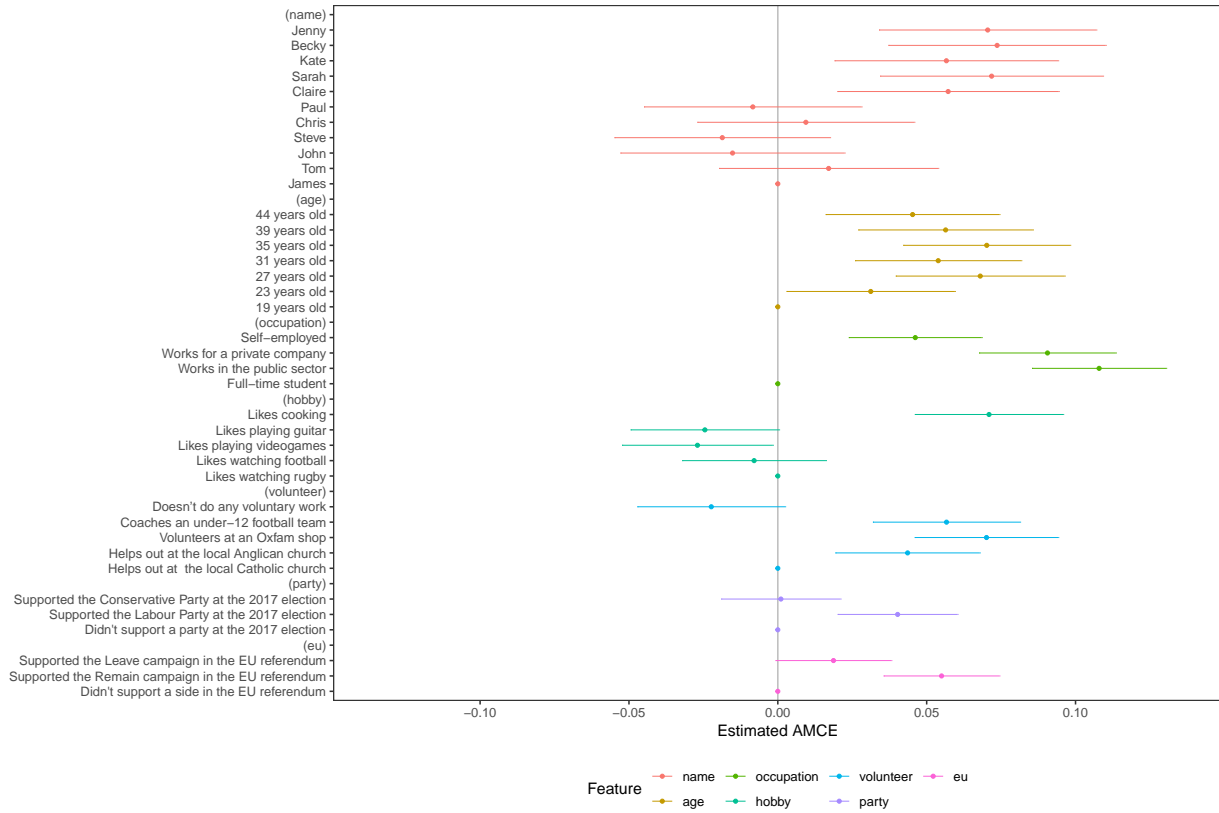


We now turn to distributions of outcome measure. Given the forced choice nature of the design, this means that there are 8345 0's and 8345 1's for Q1. Respondents were about 2% less likely to select the righthand option (diff=-0.01 (se=0.01)).

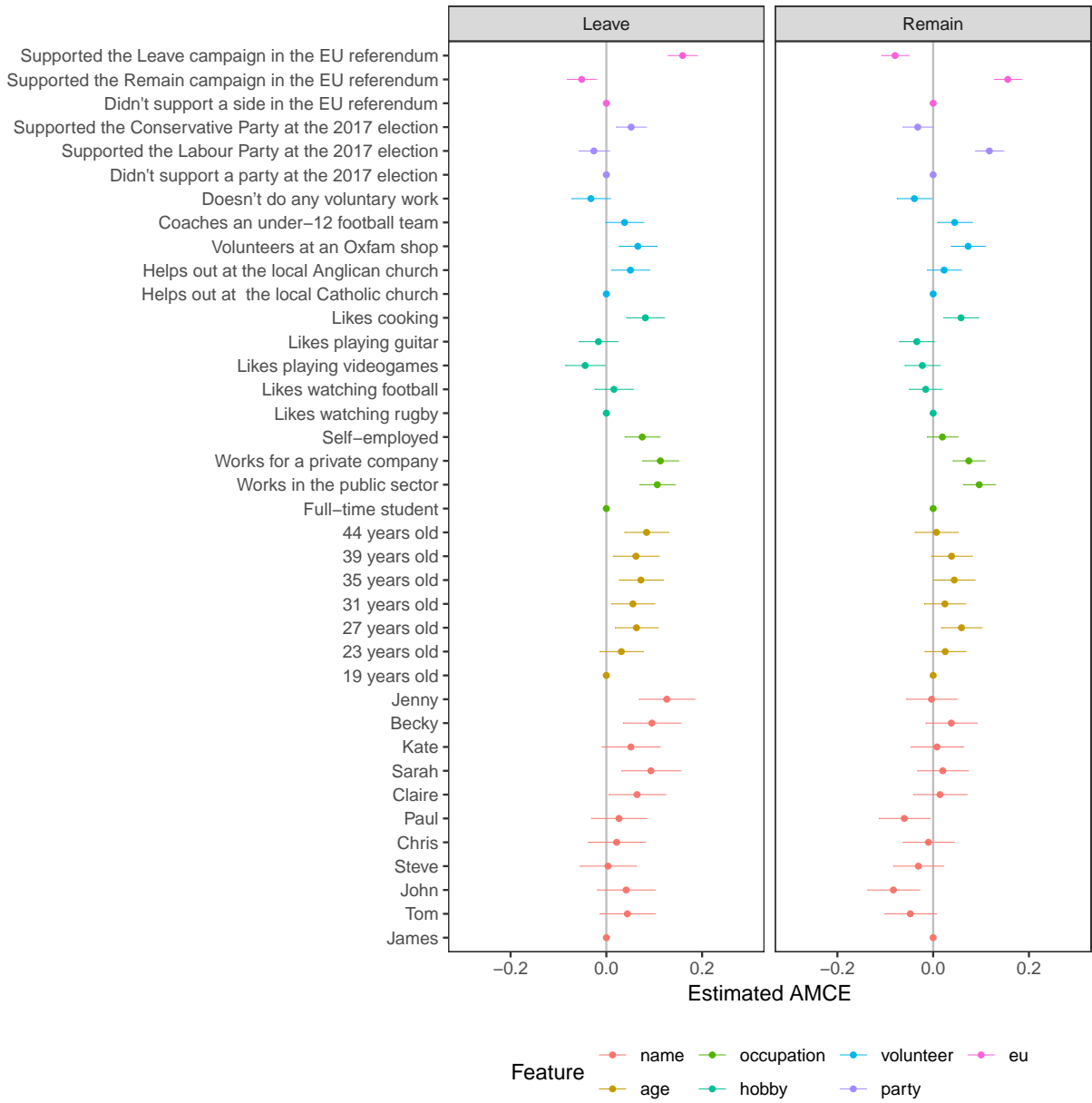
Main Results

Effects are estimated using ordinary least squares regression, with standard errors clustered by respondent.

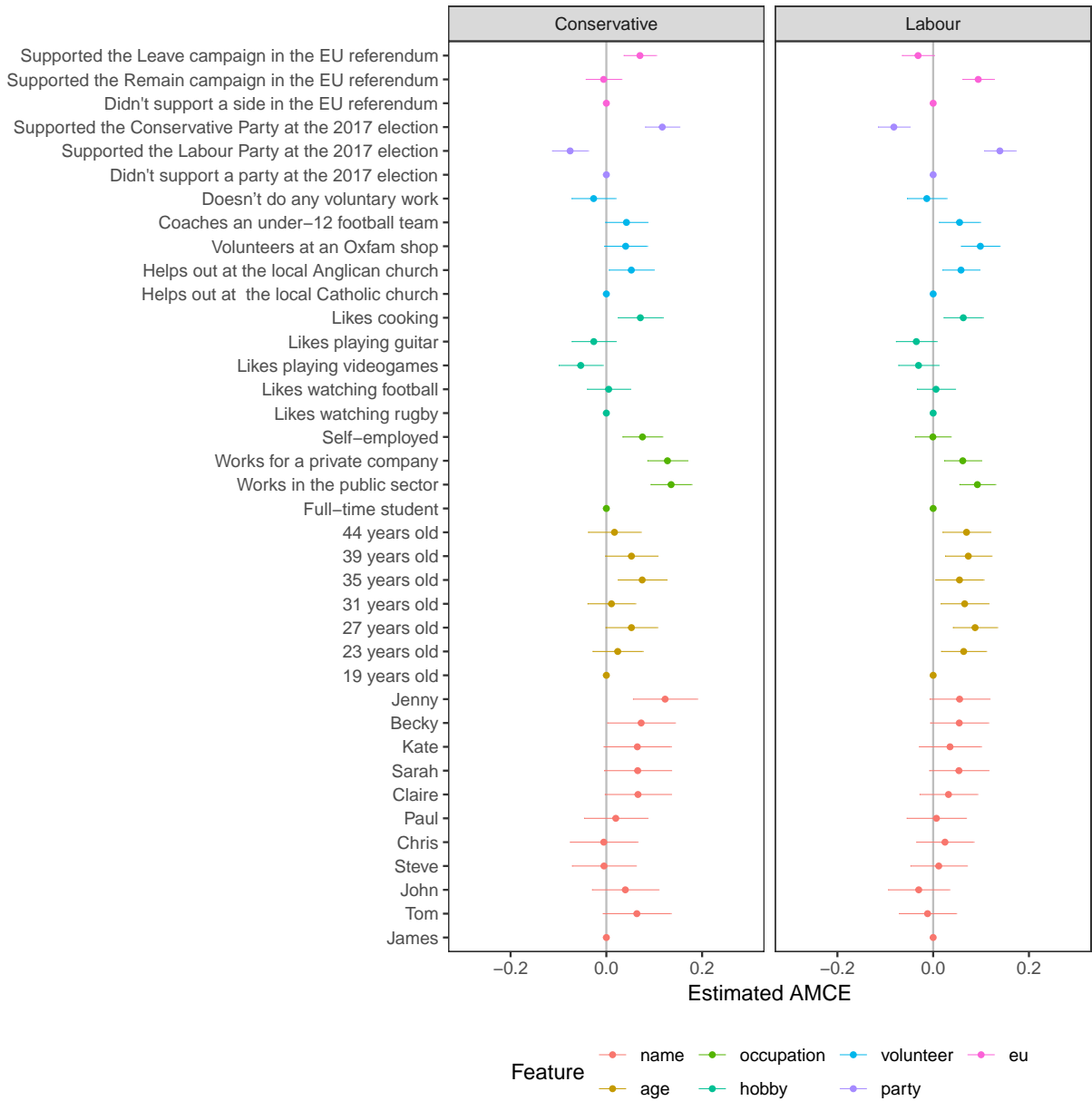
The figure below shows the main results for the entire sample of respondents (unweighted):



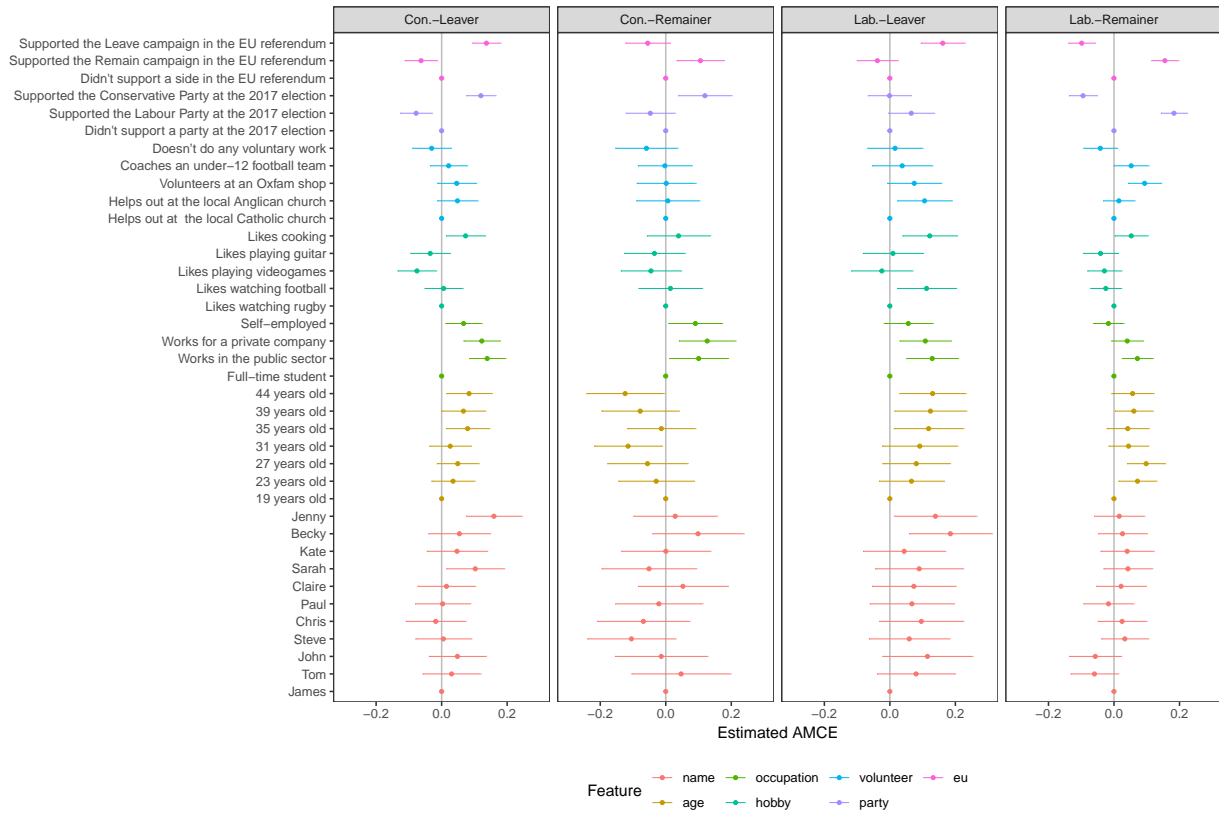
Full numerical results, split by Leave and Remain identity, are as follows:

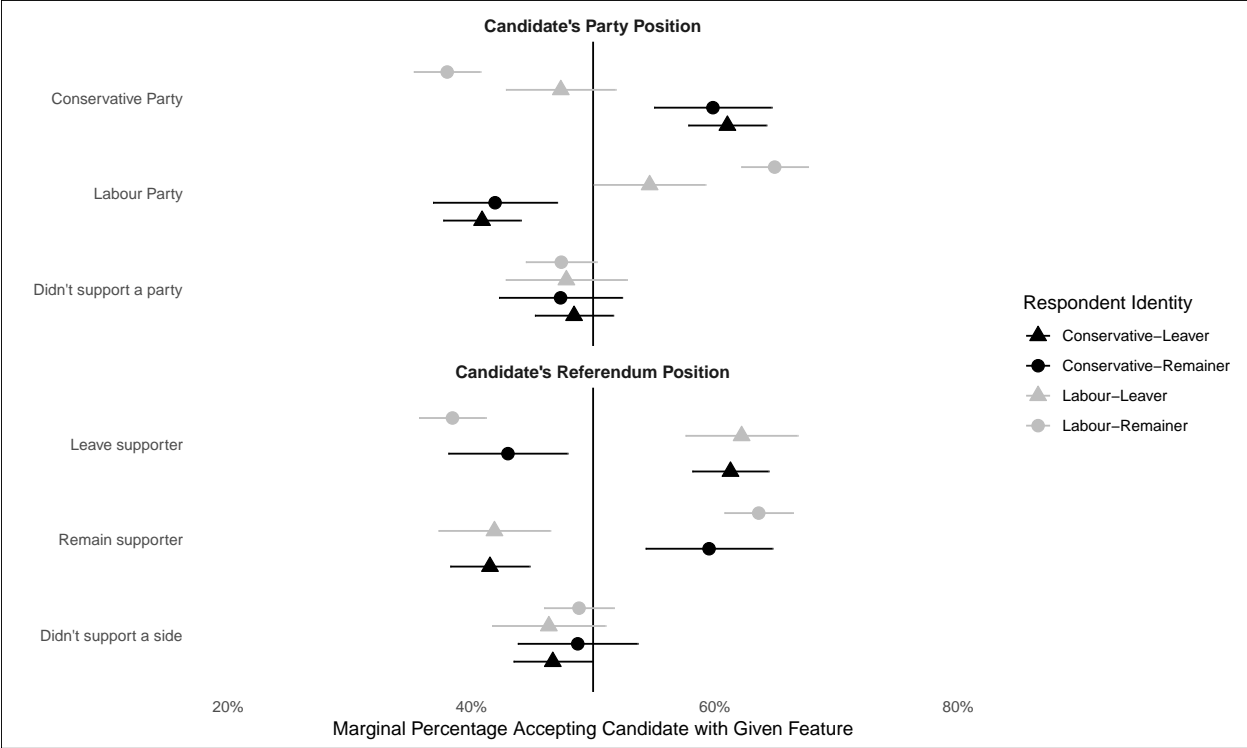


Full numerical results, split by Conservative and Labour partisan identity, are as follows:



Full numerical results, split by both partisan and Brexit identity, are as follows:





Results Holding Conjoint Features Constant

The results in this section analyze the conjoint data while holding each feature of the conjoint at a given level. Effectively, this yields conditional effects of each attribute for each level of the attribute being fixed (i.e., interaction effects). The experiment is underpowered in some of these analyses given the ratio of attribute levels to respondents.

Coming Soon!

Analytic Details

This report was built with rmarkdown, using the following software versions:

```
## R version 3.5.1 (2018-07-02)
## Platform: x86_64-w64-mingw32/x64 (64-bit)
## Running under: Windows 7 x64 (build 7601) Service Pack 1
##
## Matrix products: default
##
## locale:
## [1] LC_COLLATE=English_United Kingdom.1252
## [2] LC_CTYPE=English_United Kingdom.1252
## [3] LC_MONETARY=English_United Kingdom.1252
## [4] LC_NUMERIC=C
## [5] LC_TIME=English_United Kingdom.1252
##
## attached base packages:
## [1] stats      graphics  grDevices  utils      datasets  methods   base
##
## other attached packages:
## [1] cregg_0.2.3 rio_0.5.11
##
## loaded via a namespace (and not attached):
## [1] zip_1.0.0           Rcpp_0.12.17       bindr_0.1.1
## [4] pillar_1.2.3       compiler_3.5.1     cellranger_1.1.0
## [7] plyr_1.8.4         forcats_0.3.0     tools_3.5.1
## [10] digest_0.6.15     lattice_0.20-35   ggstance_0.3
## [13] evaluate_0.10.1   tibble_1.4.2      gtable_0.2.0
## [16] pkgconfig_2.0.1   rlang_0.2.1       Matrix_1.2-14
## [19] openxlsx_4.1.0    curl_3.2          yaml_2.1.19
## [22] haven_1.1.2       bindrcpp_0.2.2    stringr_1.3.1
## [25] dplyr_0.7.6       knitr_1.20        hms_0.4.2
## [28] lmtest_0.9-36     tidyselect_0.2.4  rprojroot_1.3-2
## [31] grid_3.5.1        glue_1.2.0        data.table_1.11.4
## [34] R6_2.2.2          survival_2.42-4   readxl_1.1.0
## [37] foreign_0.8-70    rmarkdown_1.10    purrr_0.2.5
## [40] ggplot2_3.0.0     magrittr_1.5      codetools_0.2-15
## [43] splines_3.5.1     backports_1.1.2   scales_0.5.0
## [46] htmltools_0.3.6   assertthat_0.2.0  colorspace_1.3-2
## [49] labeling_0.3      sandwich_2.4-0    survey_3.33-2
## [52] stringi_1.1.7     lazyeval_0.2.1    munsell_0.5.0
## [55] zoo_1.8-2
```